

Guarantee Electrical Co .



Facility Solutions Group

Local Sports Lighting

Energy Efficiency

Case Study

Since 1902



Dena Schmidt
Director
Facility Solutions



Jonathan Witt
Project Manager
Facility Solutions



Julie Ohlms
Project Manager
Facility Solutions



Andrew Boerschig
Project Manager
Facility Solutions

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OUR NAME IS OUR PROMISE

In 1902, seven St. Louis entrepreneurs made an unprecedented claim : they could power the 1904 World's Fair with electricity. And they didn't just claim it— they guaranteed it. Today, Guarantee Electrical Company (Guarantee) is a national leader delivering a complete spectrum of electrical contracting services.



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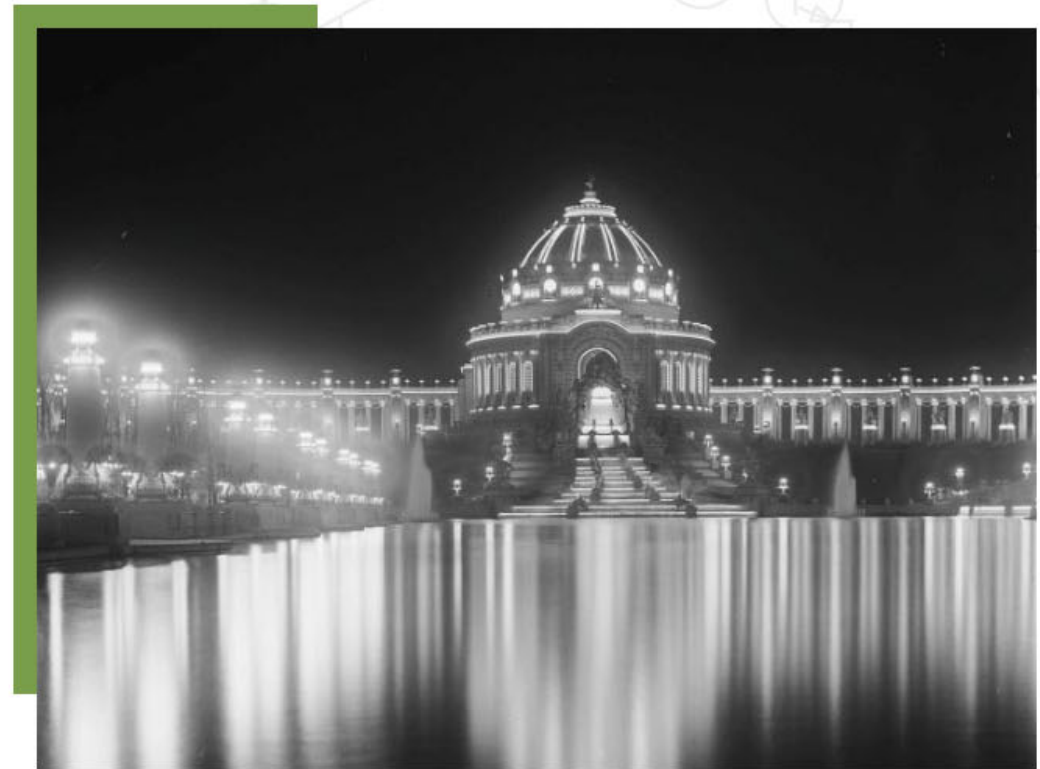
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1902

Guarantee Electrical Company was founded as a partnership of seven entrepreneurs to showcase electricity to the world as part of the 1904 World's Fair in St. Louis.

Electricity was a new technology and was generally unreliable at the time. These seven bold men “guaranteed” that the lights would stay on for the entire year of the exposition and, in doing so, found the name for their new joint venture.

- William Koeneman
- Ed Koeneman
- John Casey
- Charles J. Briner
- Fred E. Briner
- William Nolker
- Louis Nolker



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Proud Top Performing Electrical Contractor Ameren Missouri Trade Ally 2024



Trade Ally Network



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Proud Member of the Electrical Board of
Missouri & Illinois



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LocalSports Lighting

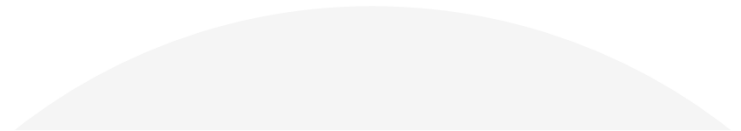
Energy Efficiency

Case Study



Overall Project Goals

The Improvements to the Facility were
aimed to boost New Activity and Enhance
Competitiveness with other Cities, such as
Nashville & Indianapolis.





Project Scope of Work

Remove (400) Existing 1800W HID Fixtures (Lamps & Ballasts)

Install (224) New 1200W LED Sports Lighting Fixtures – 10-Year Warranty

Install, Wire, & Program New Fully Networked Lighting Control System

24-Hour Monitoring, Full Dimming, & Lighting Affects

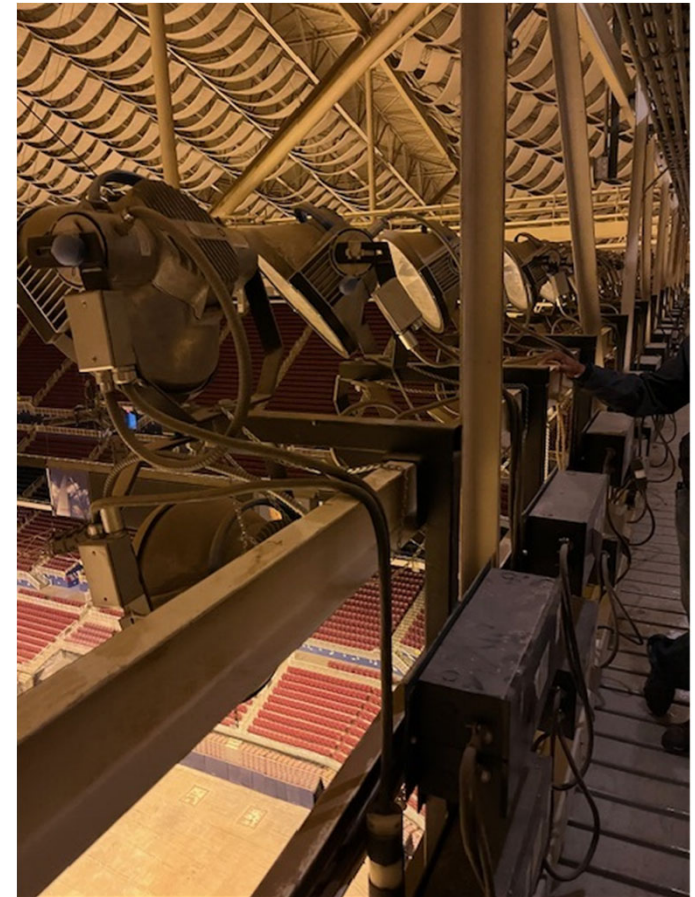
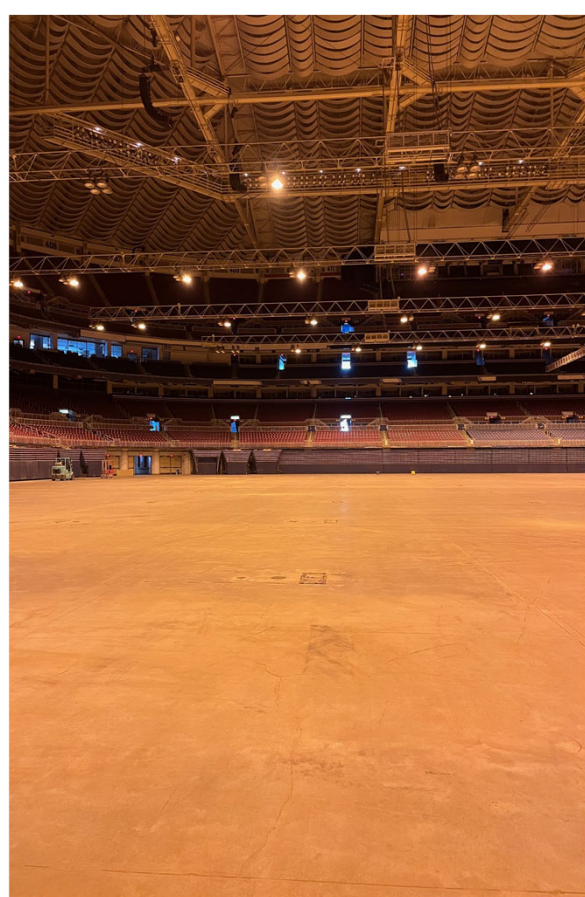
Provide 80-Ton 160' Tall Crane to Safely Reach Ceiling Catwalk

All Legacy Fixtures, Lamps, & Ballasts Recycled Per Required EPA Guidelines

Partnered with National Sports Lighting Vendor with Customer



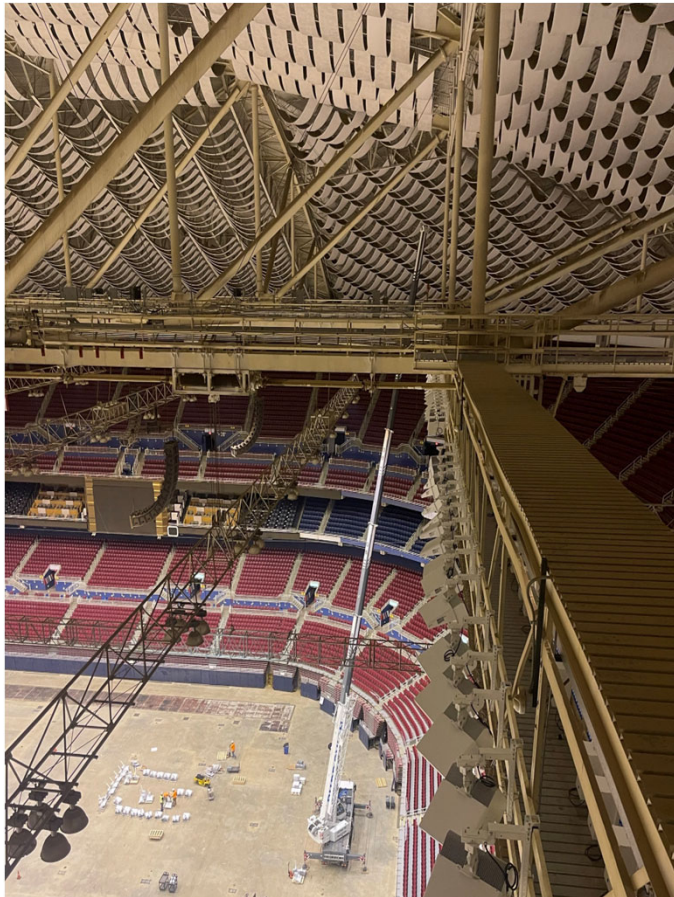
Before Pics – Legacy HID Fixtures



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Progress Pics During Project Completion



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Side by Side Comparison Picture



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Final Completion Pictures of Project - 1



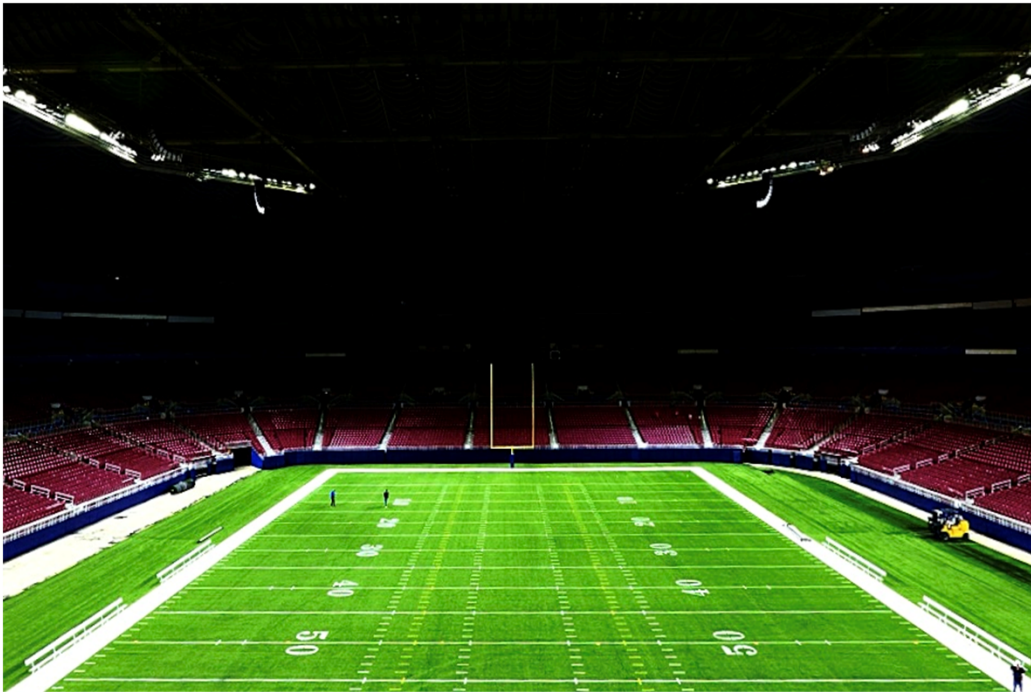
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Final Completion Pictures of Project - 2



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Final Completion Pictures of Project - 3



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Final Completion Drone Video -1



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Final Completion Drone Video -2



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Guarantee Electrical Co – Drone Technology



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Ameren MO & Energy Efficient Lighting Data

Annual Ameren MO Savings = \$114,400.00 (\$9,533.00 per Month)

Annual Energy Savings = 1,280,980 kWh (106,748 per Month)

Increased Over Light Levels 4-Times Existing

100 FC at the 50-Yard Line (National TV Requirement)

All Legacy HID Fixtures, Lamps, & Ballasts Recycled per EPA Guidelines

NOTE: Based Off 720-Annual Operating Hours On-Site



Project – Environmental Impact

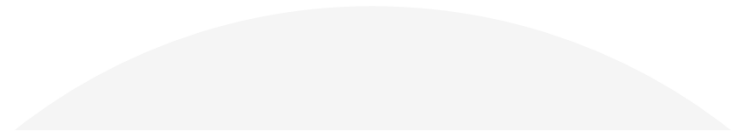
Metric Tons CO₂ Saved = 1,058

Vehicles Removed from the Roads for 1-year = 224

Single Family Homes Powered for 1-Month = 2,215

Tons of Waste Recycled, Instead of Going into Landfills = 368

Our On-Site Crew Saved 50-Tons of Cardboard Waste Through Recycling





Overall Project Conclusions

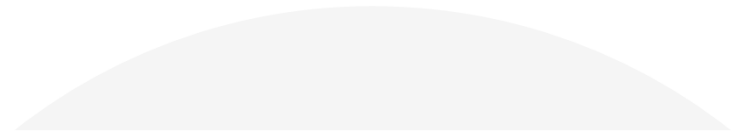
Energy Efficiency

Reduced Yearly Maintenance of Legacy Lamps & Ballasts

Overall Increased Light Levels Throughout

Added Fully Network Controls Allows for Full Dimming to Increase Energy Savings

Improved Esthetics for Facility



Introduction :

Guarantee Electrical CO

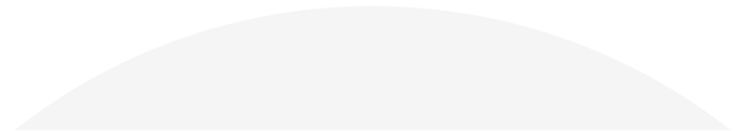
Facility Solutions Group



Who is The Facility Solutions Group?

An Agile & Responsive Team of Industry Professionals within Guarantee Electrical Co., which focuses on Direct End-User Relationships, Providing any Electrical & Lighting Solutions for their Facilities, with the Goal of Becoming their Single Partner of Choice for any Electrical or Lighting Needs they have in the Future.

- Electrical Service
- Lighting Maintenance & Service – Including Lighting Controls
- EV Charging

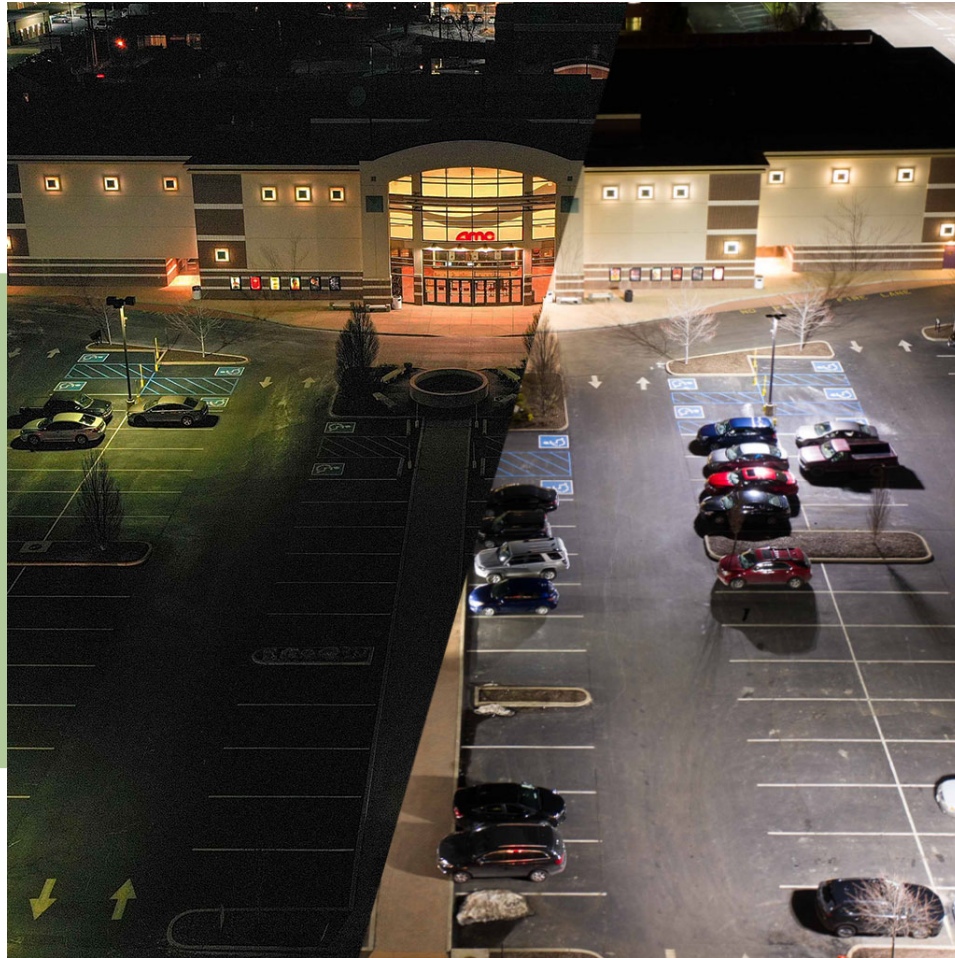




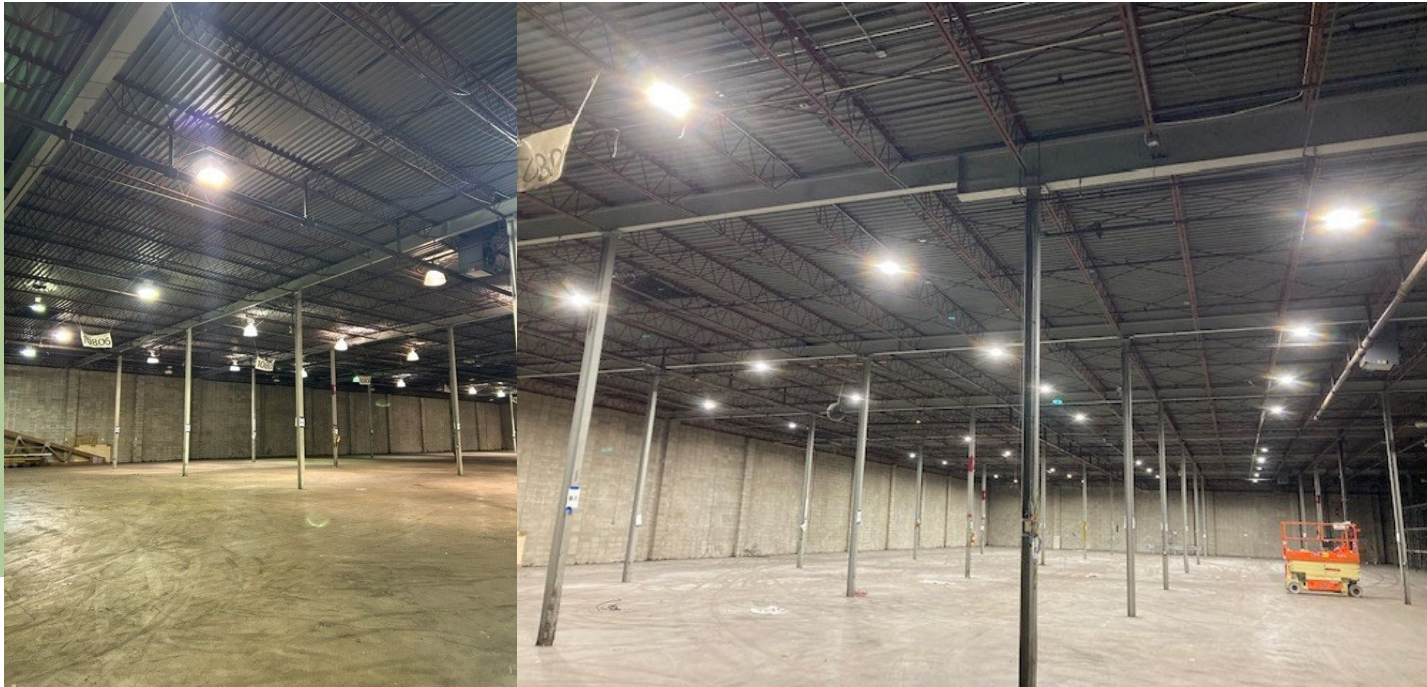
COMMERCIAL & INDUSTRIAL LIGHTING CAPABILITIES

- **Interior & Exterior Lighting:** Solutions for both commercial and industrial spaces.
- **LED Warehouse Lighting:** New installations and retrofit solutions for energy efficiency.
- **Legacy Lighting:** Retrofits for **fluorescent** and **HID** systems to boost performance.
- **Architectural LED Lighting:** Enhance your facility with modern, sustainable lighting design.
- **Networked & Standalone Control Systems:** Optimize lighting control for efficiency and ease.
- **Low Voltage Lighting:** Interior and exterior low voltage lighting solutions for safety and ambiance.
- **Safety Lighting:** **Emergency egress** and **exterior safety lighting** for secure facilities.
- **Parking Lot & Area Lighting:** Installation, repair, and retrofitting for all outdoor lighting needs.

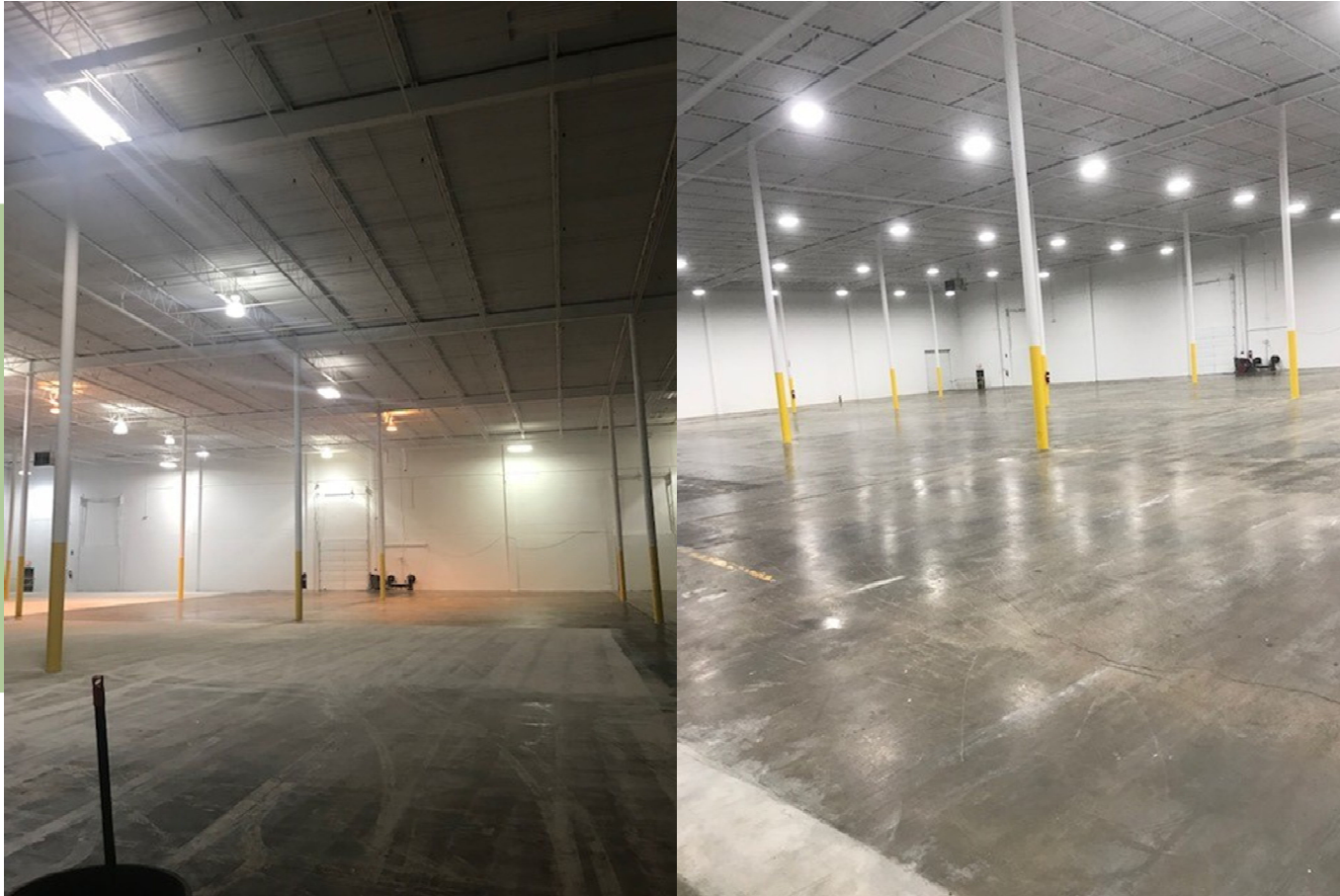
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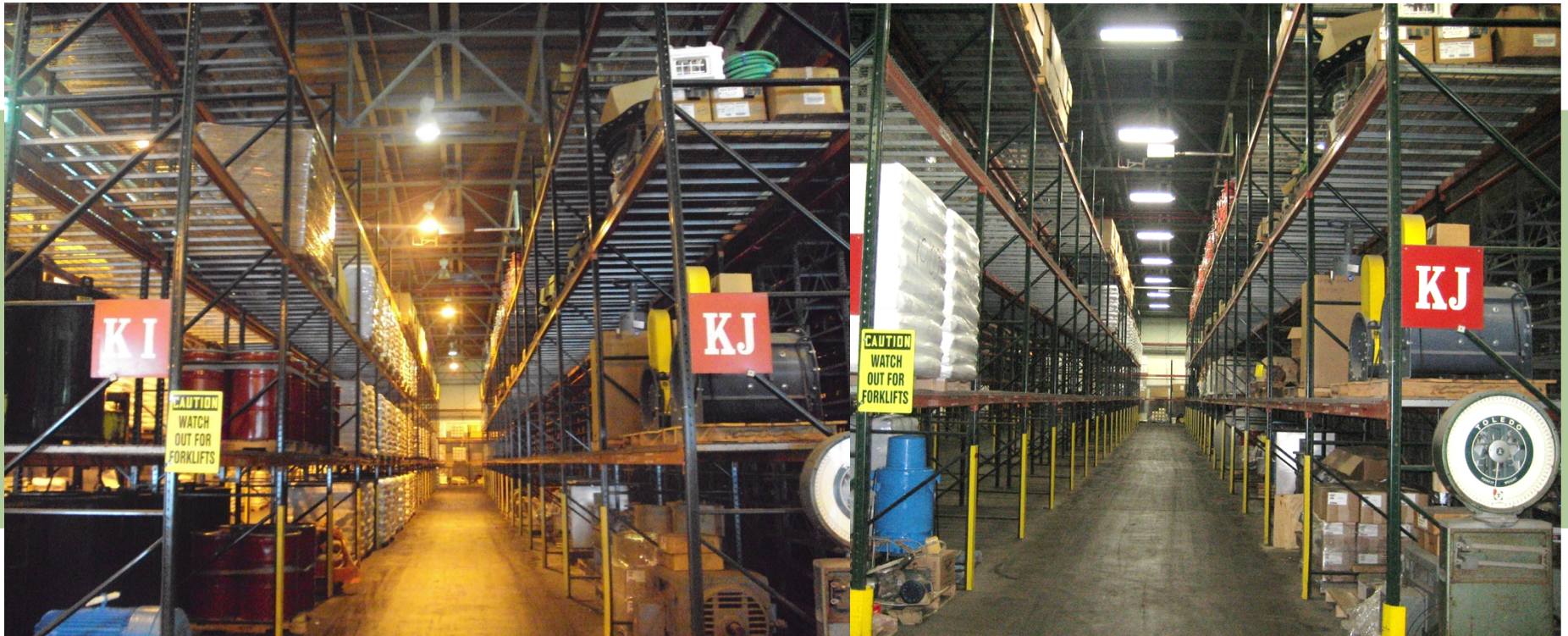
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QUESTIONS?

www.geco.com

Dena.Schmid@geco.com

Jonathan.Witt@geco.com

Julie.Ohlms@geco.com

Andrew.Boerschig@geco.com

618-975-2038



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